

Date: 30 SEP 1976 1428-PDT
From: LEDERBERG
Subject: LINDBERG letter
To: rindfleisch

I fished out the latter by PSEARCHing <AIMEXEC>:

Searching <AIMEXEC>MINUTES,11/4/75;1

68821 From: LINDBERG
Subject: SUMEX-AIM VISITS TO U.S. MEDICAL INSTITUTIONS
To: AIMEXEC

BELOW IS A DRAFT COPY OF A LETTER WHICH MIGHT BE USED TO INITIATE CONTACTS FOR THE PURPOSE OF SUMEX-AIM VISITS TO PRESENTLY NON-PARTICIPATING MEDICAL INSTALLATIONS. FOLLOWING THE DRAFT LETTER IS A LIST OF INSTITUTIONS AND POSSIBLE LOCAL HOSTS.

MY PURPOSE IN POSTING THESE ITEMS IS TO RECEIVE EDITING, CORRECTIONS, AND THE EXECUTIVE COMMITTEE'S ADVICE CONCERNING:

- 1) THE MANNER OF PROCEEDING
- 2) THE LETTER
- 3) THE LIST OF INSTITUTIONS AND HOSTS, AND
- 4) THE RANK ORDERING OF SUCH A LIST. NB THE LIST CURRENTLY IS NOT IN ANY RANK ORDER.

ONE ADDITIONAL QUESTION IS OF COURSE TO WHAT EXTENT MEDICAL INSTITUTIONS OTHER THAN MEDICAL SCHOOLS SHOULD BE INCLUDED, AND ON THE OTHER HAND TO WHAT EXTENT MEDICAL SCHOOLS WHICH ALREADY HAVE A STRONG AI FOCUS SHOULD BE ON THE LIST. RUTGERS, PITTSBURGH, UCSD, AND STANFORD FOR EXAMPLE WERE NOT INCLUDED.

LETTER COPY FOLLOWS:

DEAR -----;

SUMEX-AIM IS A NATIONAL SHARED RESOURCE PROJECT OF NIH. OUR COMPUTER IS PHYSICALLY LOCATED AT STANFORD UNIVERSITY MEDICAL CENTER. OUR PURPOSE IS PRIMARILY TO SUPPORT RESEARCH IN THE USE OF ARTIFICIAL INTELLIGENCE COMPUTATIONAL TECHNIQUES IN MEDICINE. THE ENCLOSED LITERATURE DESCRIBES THE INITIAL SET OF RESEARCH COLLABORATORS, WHO WORK WITH THIS SYSTEM FROM THEIR OWN UNIVERSITIES IN () DIFFERENT STATES.

THERE IS NOT SUFFICIENT COMPUTER RESOURCE TO SATISFY ALL THE POTENTIAL RESEARCH COLLABORATORS, EVEN UNDER THE TERMS OF A GENEROUS NIH GRANT AWARD. YET WE AND NIH BOTH FEEL THAT IT IS IMPORTANT THAT SOME OF THE AVAILABLE RESOURCES BE COMMITTED TO

DEMONSTRATION OF THE EARLY SUCCESSFUL EXPERIMENTS AND THE EARLY ACCOMPLISHMENTS IN THE USE OF ARTIFICIAL INTELLIGENCE IN MEDICINE TO OUR COLLEAGUES IN AMERICAN MEDICAL INSTITUTIONS.

CONSEQUENTLY THIS LETTER IS TO SUGGEST TO YOU THE POSSIBILITY THAT REPRESENTATIVES OF SUMEX-AIM COULD VISIT YOUR INSTITUTION FOR THE PURPOSE OF GIVING A LECTURE/DEMONSTRATION OF THESE NEW TECHNIQUES. IF YOU AGREE, YOUR RESPONSIBILITY WOULD BE TO PROVIDE A SUITABLE FORUM OF MEDICAL FACULTY AND MEDICAL STUDENTS FOR A ONE HOUR PRESENTATION. OUR RESPONSIBILITY, IN ADDITION TO THE PRESENTATION, WOULD BE TO DISCUSS THE PROBLEMS OF RESEARCH IN THIS FIELD WITH THOSE WHO MIGHT WANT TO PURSUE AN INDIVIDUAL INTEREST, AND TO ATTEMPT TO BE OF ASSISTANCE TO ANY OF YOUR COLLEAGUES WHO DECIDE TO INITIATE OR CONDUCT SUCH RESEARCH.

IT MUST BE NOTED THAT SUMEX-AIM IS NOT REALLY IN A POSITION TO OFFER ITS SERVICES TO LARGE NUMBERS OF NEW USERS. SUCH CAPACITY FOR SERVICE TO A LARGE RESEARCH COMMUNITY IS NOT WITHIN OUR REACH.

THERE ARE HOWEVER, UNDER OUR CURRENT GRANTS, OCCASIONAL RESEARCH FORUMS AND TRAINING SESSIONS. AND OF COURSE IT IS ENTIRELY POSSIBLE TO USE ARTIFICIAL INTELLIGENCE TECHNIQUES TOTALLY SEPARATE FROM OUR PARTICULAR FACILITY. AT THE MOMENT, WE WISH ONLY TO BROADEN THE GROUP OF MEDICAL COLLEAGUES WHO ARE INVESTIGATING THESE PROBLEMS, AND TO TELL YOU OF THE SCIENTIFIC POSSIBILITIES OF SUCH A PROGRAM.

BY COPY OF THIS LETTER, WE ARE COMMUNICATING THIS OFFER TO THE DEAN OF YOUR SCHOOL, IN HOPES THAT HE TOO CAN GIVE SUPPORT AND GUIDANCE TO US SHOULD YOU AGREE TO HOST A PRESENTATION.

YOURS TRULY

LIST OF SUGGESTED INSTITUTIONS FOLLOWS:

UNIVERSITY OF MISSOURI - COLUMBIA	DON LINDBERG/PAUL BLACKWELL
UNIVERSITY OF MISSOURI - KANSAS CITY	LARRY HARKNESS
WASHINGTON UNIVERSITY	CHARLES MOLNAR
ST. LOUIS UNIVERSITY	GEORGE GANTNER
ILLINOIS STATE UNIVERSITY - CARBONDALE	DAX TAYLOR
UNIVERSITY OF ILLINOIS - CHAMPAIGN-URBANA	ALLEN LEVY
UNIVERSITY OF ILLINOIS - CIRCLE	MCCORMICK
UNIVERSITY OF IOWA	HAROLD SHIPTON
OHIO STATE	KITTY CLAUSEN
COLLEGE OF PHYSICIANS AND SURGEONS	KEN BUTTON/DON KING
GEORGE WASHINGTON UNIVERSITY	YAMAMOTO
UNIVERSITY OF ALABAMA	SANDY MEISEL/BILL SILER
DUKE UNIVERSITY	ANDY WALLACE/GENE STEAD
UNIVERSITY OF CALIFORNIA SAN FRANCISCO	SCOTT BLOIS/DICK
UNIVERSITY OF CALIFORNIA LOS ANGELES	CAROL NEWTON
MAYO MEDICAL SCHOOL	LEN KURLAND/BOB BAHN
UNIVERSITY OF MINNESOTA	GENE ACKERMAN
UNIVERSITY OF NORTH CAROLINA	FRED BROOKS
UNIVERSITY OF UTAH	DALE EVANS/HOMER WARNER
CORNELL MEDICAL SCHOOL	RALPH ENGLE
TEMPLE UNIVERSITY	MARION BALL

MOUNTAIN STATES RMP - BOISE
UNIVERSITY OF WASHINGTON
UNIVERSITY OF WISCONSIN
HARVARD UNIVERSITY

RALPH CHRISTIANSON
TED KEHL
RICHARD FRIEDMAN
OCTO BARNETT

Although computer-network communications remain a viable option for transcontinental resource sharing, restrictions on the use of ARPANET, and idiosyncrasies of the available commercial systems, are such that many users would be more comfortable working within feasible direct-dial-up range of the serving machine. This is particularly important in clinical applications; less so in the chemical ones which are more computer-intensive.

We therefore concur that Dr. Amarel's application could serve as a valuable augmentation of SUMEX-AIM NATIONALLY-shared resources, as well as of its primary regional purposes. We are certainly willing to cooperate to the utmost in assuring a common management framework for the allocation of the resource, and in the endeavour to sustain the highest practicable technical compatibility (or complementarity where this is indicated.)

Joshua Lederberg